

SWSS NEWS

May 2002, Volume 25 Number 1

News from the Southern Weed Science Society

www.swss.ws

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Put it on the calendar

SummerBoard meeting June 1-2, 2002
Adams Mark, Houston, TX

SWSS Weeds Contest Aug. 6, 2002
Greenville, MS (Monsanto)

SWSS Meeting Jan.27-29, 2003 Adams
Mark, Houston, TX

WSSA Meeting Feb. 9-12, 2003
Jacksonville, FL

Message from the President

Greetings, it was good to see so many familiar faces again in Atlanta for our 2002 annual meeting. Virginia Hawf was local arrangements chair and with her committee did an outstanding job making sure all the details of the meeting were covered. The meeting attendance was 456, down a little from last year. The number of presentations has remained steady over the last several years, however. I think we will all agree that the quality of the presentations is outstanding. The bar could be raised again at our next meeting in Houston if we can successfully make the transition to LCD projectors, more on this later. Quite a



change from the days of rub off letters and tape lines (old folk reminiscing). Sue Rick was in charge of the student contest. She and the judges did a great job administering one of the most important functions of our annual meeting. The job of judging the contest seems to get more difficult with time as the quality of presentations is consistently high. Finally, thanks to Bob Schmidt, the section chairs, moderators, projectionists, and all the rest who make our meetings a success.

The electronic submission of titles and abstracts has greatly reduced the amount of retyping and formatting that is required for producing the program and proceedings (thanks Dan Reynolds). The SWSS website at www.swss.ws is being continually improved to be your primary source for information on all SWSS topics including presenter and contest instructions. The donation of the watercolor of the Delta Experiment Station by Charles Bryson, the sale of prints, and the Tobacco Auction print donated by Doug Worsham has resulted in raising almost \$10,000 for the Endowment Fund. Money from the fund supports the student program. Hats off to all involved in this project.

Board Members

Standing from Left to Right

Gene Wills	Constitution and Operating Procedures
Charles Bryson	Board Member
Eric Webster	Board Member
Shep Zedaker	Forestry Section Representative
Bob Scott	Board Member
Jackie Driver	Board Member
Jim Barrentine	CAST Representative
Eric Scherder	Student Representative
Tim Murphy	WSSA Representative (attends both SWSS and WSSA Board meetings)

Seated from Left to Right

Joe Street	Past President
Jerry Wells	President
Bill Witt	President-Elect and 2003 Program Chair
John Harden	Vice President
Peter Dotray	Editor
Tom Mueller	Secretary-Treasurer, Newsletter Editor

Please contact any of these board members with comments or suggestions about any aspect of the Southern Weed Science Society.

English or Metric Units--Your Choice for SWSS Presentations

by William W. Witt

President Elect & Program Chair

During the most recent SWSS meeting in Atlanta, there seemed to be more discussion about the relative merits of using English versus metric units in presentations than in previous years. Maybe I heard more than usual from those who felt strongly about the subject. However, this is an important topic for our Society.

As Program Chair for the 2003 meeting in Houston, I wanted to comment on this issue and make everyone aware of SWSS policy. The SWSS Manual of Operating Procedures contains the essential elements for operation of the Society, including the use of English or metric units. Appendix III, Instructions for Authors of Papers and Abstracts for Oral and Poster Presentations, Part 4, clearly states "**English or metric units of measurement may be used.**" This allows the author or authors to use the measurements of their choice.

There appears to be three "camps" about this topic. One group supports English units only, another group just as strongly supports metric units only, and a third group believes both units are appropriate depending on the circumstances. I must admit that I belong to the group that believes both are appropriate for some instances and both are inappropriate for other instances.

Why the concern over English and

metric units of measurement? Most of the arguments for one or the other revolved around the following:

- 1.) Most journals require metric measurements and graduate students and other authors need the practice of reporting in this format
- 2.) The SWSS is a science organization and should use metric (I fail to see how units of measurement have anything to do with quality of science; both units of measurement can be used equally well to report the results of good, or poor, science).
- 3.) English units are easier for SWSS membership to understand. For those working in the field, English units are the norm. With rare exception, field studies are designed, conducted, and reported in English units.
- 4.) Metric units are essential for laboratory experiments. Laboratory experiments are almost exclusively designed, conducted, and reported in metric or SI units.
- 5.) Graduate students must use metric in the contests. **This is not true but evidently some members believe it to be.**

Field researchers typically design experiments and report results in using brand names and English units for in-house publications and presentations to clientele in their states. It is frequently much easier to present data on a table or graph using the brand name compared to trying to describe the 2 to 4 active ingredients that might be in the formulated brand name. Similarly, English units are easier for the in-state

clientele to comprehend. It seems to me that using brand names and English units for presentations at the SWSS annual meeting for such experiments would be beneficial and appropriate. As stated earlier, this decision is totally at the discretion of the author(s).

Certainly there is a place for using metric units. Greenhouse or growth chamber experiments in which plant biomass is determined utilize grams per plant, for example, since it is far easier to report plant dry weight as 10 grams compared to 0.02 pounds or 0.35 ounces. Experiments in the laboratory or field, in which interpretation of results requires knowledge of the number of molecules, should describe concentration via molar terminology, rather than pounds per acre or a percent solution.

Remember that the choice of English or metric units is up to you. Years ago, the SWSS Board of Directors realized that using either type of measurement allowed for flexibility by the authors. It appears to me that this decision has served the SWSS well over the years. The SWSS Board is charged with managing the various affairs of the Society, but the Board needs to hear from the membership pertaining to topics, such as this one. Feel free to contact me or other SWSS Board members with your comments and opinions about this topic. wwitt@uky.edu

Endowment Report

The SWSS Endowment Foundation's silent auction at the annual meeting was a great success. The print donated by Doug Worsham and the original painting donated by Charles Bryson and its prints yielded more than \$9,000 for the Endowment Foundation. The original painting by Charles Bryson of the Delta Experiment Station, Stoneville, Mississippi, site of the first SWSS meeting on June 10, 1948, was purchased by friends of the SWSS and will be returned to the Delta Branch Experiment Station at Stoneville. A plaque to honor contributors will be placed by the painting. Contributors include Syngenta Crop Protection, BASF Corporation, FMC Corporation, David Prochaska, Jim Bone, Joe Street, Charles Snipes, Mark Kurtz, Mississippi Weed Science Society, and Monsanto Company. It is not too late for additional contributions. Additional prints of the Delta Experiment Station are available from the Southern Weed Science Society, 1508 West University Avenue, Champaign, IL 61821-3133 at \$25.00 each. Order yours today and help support the SWSS Endowment Foundation.



Alan York
**Distinguished
Service
Academia**



Peter Dotray
**Outstanding
Young Weed
Scientist**



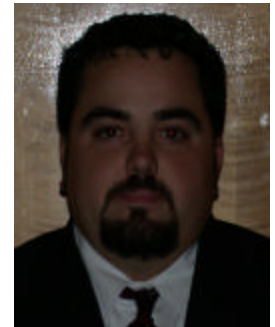
Bobby Watkins
**Distinguished
Service
Industry**



William Bailey
**Outstanding Ph.D.
Student**



Tom Peeper
**Outstanding
Educator**



Scott Clewis
**Outstanding
M.S. Student**



The SWSS board expresses sincere appreciation to Virginia and Larry Hawf, 2002 local arrangements chair(s).

**2002 Graduate Student
Paper Contest Awards**
Section 1A. Agronomic Crops



Lane Crooks

1st Place: Italian ryegrass control in wheat with mesosulfuron-methyl. **H. L. Crooks** and A. C. York, Dept. of Crop Science, NC State Univ., Raleigh, NC.



Brian Ottis

2nd Place: Clearfield rice tolerance and red rice control with imazethapyr on course soil in Texas. **B. V. Ottis**, J. H. O'Barr, G. N. McCauley, J. M. Chandler. TX Agricultural Experiment Station, College Station, TX.

Section 1B. Agronomic Crops/Soils & Environmental Aspects



Jeff Branson

1st Place: Cotton phytotoxicity with trifloxysulfuron as influenced by soil moisture, temperature and tank mixes. **J. W. Branson**, K. L. Smith, R. C. Namenek, J. L. Barrentine. Univ. of Arkansas, Southeast Research and Extension Center, Monitcello, AR, Dept. of Crop, Soil and Environmental Science, Univ. of AR, Fayetteville.



Greg Armel

2nd Place: Evaluation of mesotrione in no-till corn programs. G. R. Armel, H. P. Wilson and T. E. Hines. Dept. of Plant Pathology, Physiology and Weed Science, VA Polytechnic Institute and State Univ. Painter, VA.

Section 2. Education, Regulatory Aspects, Application Technology and Turf, Pasture and Rangeland



Jay Ferrell

1st Place: Effects of postemergence herbicides on centipedegrass seed production. **J. A. Ferrell**, T. R. Murphy, W. K. Vencil. Dept. of Crop and Soil Science. Univ. of GA, Athens and Griffin, GA.



Audie Sciumbato



Travis Gannon

(Tie for Second Place)

2nd Place: Effects of 2,4-D formulation on spray droplet size. A. S. Sciumbato and S. A. Senseman. TX Agricultural Experiment Station, College Station, TX. J. B. Ross, Dept. of Entomology, Plant Pathology and Weed Science, New Mexico State Univ., Las Cruces, NM. T. C. Mueller, Dept. of Plant Science and Landscape Systems, Univ. of Tennessee, Knoxville, TN.

2nd Place: Perennial ryegrass tolerance and annual bluegrass control in overseeded bermudagrass. **T. W. Gannon**, F. H. Yelverton and L. S. Warren. Dept. of Crop Science. NC State Univ., Raleigh, NC.

Section 6. Physiological and Biological Aspects

2002 Graduate Student Poster Contest Awards

Section 11B. Poster



Wendy Pline

1st Place: Glyphosate inhibits pollen and anther development in glyphosate-resistant cotton. **W. A. Pline**, R. Viator, K. L. Edmisten, J. W. Wilcut, J. F. Thomas and R. Wells. Dept. of Crop Science, NC State Univ., Raleigh, NC.



Rachel Tenpenny

2nd Place: Physiological factors influencing the management of torpedograss. **R. M. Tenpenny**, D. L. Sutton, G. E. MacDonald. Dept. of Agronomy. Univ. of Florida, Gainesville, FL.

Section 11A. Poster



Walter Thomas

1st Place: Effect of glyphosate on pollen development of glyphosate-resistant crops and selected weed species. **W. T. Thomas**, W. A. Pline, R. Viator, J. W. Wilcut, K. L. Edmisten and R. Wells. Dept. of Crop Science, NC State Univ., Raleigh, NC.



Trey Koger

2nd Place: Isolation of distinguishable classification features for pitted morningglory (*Ipomoea lacuosa*) from hyperspectral remote sensing data. **T. H. Koger**, D. R. Shaw, L. M. Bruce, W. B. Henry and F. S. Kelley. Dept. of Plant and Soil Sciences, MS State Univ., Mississippi State, MS.



Bridget Robinson

1st Place: Yield and physiological response of peanut to glyphosate drift. **B. Robinson**, W. T. Thomas, W. A. Pline, L. C. Burke and J. W. Wilcut. Dept. of Crop Science, NC State Univ., Raleigh, NC.



Jason Krutz

2nd Place: Effectiveness of buffalograss filter strips in removing dissolved atrazine and metabolites from surface runoff. **L. J. Krutz** and S. A. Senseman. TX Agricultural Experiment Station, College Station, TX.

The students were presented with an award of \$100 for first place and \$50 for second place at the conclusion of the banquet.

People and Places

Dr. **Bill Witt** received Gamma Sigma Delta's George E. Mitchell, Jr. Award for Outstanding Faculty Service to Graduate Students. This was presented to him at the Gamma Sigma Delta banquet at the University of Kentucky. The award is based upon dedication to graduate student education at UK.

Dr. **Chester "Larry" Foy**, Professor of Plant Pathology, Physiology and Weed Science at Virginia Polytechnic Institute and State University, participated in the 24th International Symposium on Natural Products Chemistry on "Current Trends in Natural Products," November 4-10, 2001, at the Universidad Nacional Autonoma de Mexico, Mexico City, Mexico. His invited presentation, co-authored by colleagues Khalid M. Hameed and Al-Shyab Zaineb, University of Science and Technology, Irbid, Jordan, was entitled "Inhibition of *Orobanche* Seed Germination and its Infection of Faba Bean and Tomato by Aqueous and Ethanol Extracts of Olive Jift Under *In vitro* and *In vivo* Conditions." He was also co-author, with Inderjit Singh of Panjab University, Chandigarh, India and Prasanta C. Bhowmik of the University of Massachusetts, Amherst, MA, of a second invited presentation on "Chemical Ecology of Annual and Perennial Weed Species." Foy is a charter member and currently serves on the Editorial Board of **Pesticide Biochemistry and Physiology**, an international journal published by Academic Press. He recently retired as Editor of **Weed Technology**, a quarterly journal of the Weed Science Society of America, after serving 12 years in that capacity. He has also served as Editor of **Reviews of Weed Science** and periodically reviews for several other scientific journals.

Dr. **Robert Montgomery**, agronomic research manager in Union City, TN was awarded the Distinguished Development Award, Monsanto's highest honor for technical excellence. He was cited for his technical leadership in the areas of weed resistance management and the development of agronomic systems in cotton and corn. He received a trip to the Hawaiian Islands for him and his wife.

Dr. **Tim Grey** has moved to Tifton, GA, where he will conduct research in the environmental fate of herbicides. Dr. Grey's new position is with the University of Georgia.

Dr. **Scott Senseman** was awarded the 2002 WSSA Outstanding Young Weed Scientist Award. Currently, Dr. Senseman is an Associate Professor at Texas A&M University in the Department of Soil & Crop Sciences.

Dr. **John Wilcut**, Professor at North Carolina State University, is the new Editor of Weed Technology Journal.

Dr. **Gaylon Morgan** has accepted an Assistant Professor position at the University of Tennessee.

Dr. **Chism Craig** (PhD at Louisiana State University) has accepted an Extension/Research Assistant Professor position at the University of Tennessee.

Dr. **Angela Thompson** (PhD at the University of Tennessee) has accepted an Extension Specialist (Assistant Professor) position at the University of Tennessee.

The 2002 WSSA Outstanding Graduate Student Award was awarded to Dr. **Shawn Askew**. Dr. Askew received his Ph.D. from North Carolina State University. He is

currently an Assistant Professor of Turfgrass Weed Science at Virginia Polytechnic Institute and State University.

Dr. **John Boyd** was awarded the 2002 WSSA Outstanding Extension Award. Dr. Boyd is an Extension Weed Scientist at the University of Arkansas.

Two SWSS Weed Scientists were awarded the 2002 WSSA Fellow Award. The recipients were Dr. **J. Mike Chandler**, Professor at Texas A&M University in the Department of Soil and Crop Sciences and Dr. **David Shaw**, who is currently the Director of the Remote Sensing Technologies Center and Giles Distinguished Professor of Weed Science at Mississippi State University.

Bob Scott has accepted an Assistant Professor position with the University of Arkansas Extension Service.

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NOTE: The WSSA website is on the move. Please use <http://www.WSSA.NET> url to find the website.

CD-ROM Version 1.0 Now Available

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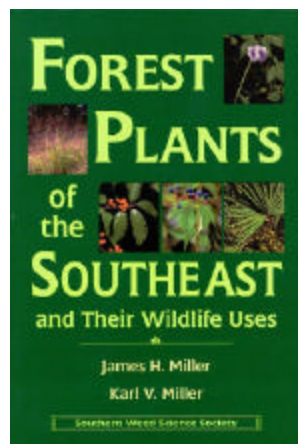
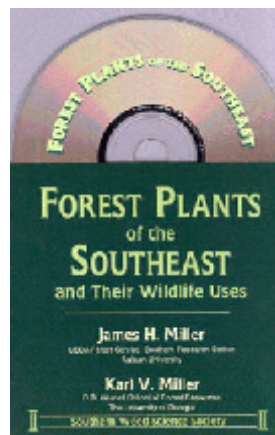
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